

Serial No. 10/041,759

Reply to Office Action dated April 1, 2005

Response to Office Action dated November 1, 2004

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4. (cancelled)

5. (Currently amended) A nickel-based alloy according to Claim ~~2~~ 20, comprising:

6.2 to 6.8% by weight of aluminum;

7.2 to 7.8% by weight of cobalt;

5.8 to 6.4% by weight of chromium;

0.05 to 0.15% by weight of hafnium;

1.7 to 2.3% by weight of molybdenum; and

0.9 to 1.1% by weight of titanium.

6. (Currently amended) A gas turbine comprising a component comprising a nickel-based alloy according to Claim ~~4~~ 19.

7. (Original) A gas turbine according to Claim 6, wherein the component is a blade in a high-speed turbine stage.

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8. (Cancelled)

9. (Currently amended) A nickel-based alloy according to Claim † 19, comprising 6.2 to 6.8% by weight of aluminum.

10. (Currently amended) A nickel-based alloy according to Claim † 19, comprising 7.2 to 7.8% by weight of cobalt.

11. (Currently amended) A nickel-based alloy according to Claim † 19, comprising 5.8 to 6.4% by weight of chromium.

12. (Currently amended) A nickel-based alloy according to Claim † 19, comprising:

6.2 to 6.8% by weight of aluminum;

7.2 to 7.8% by weight of cobalt;

5.8 to 6.4% by weight of chromium;

0.05 to 0.15% by weight of hafnium;

1.7 to 2.3% by weight of molybdenum; and

0.9 to 1.1% by weight of titanium.

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13. (Currently amended) A nickel-based alloy according to Claim 2 20, comprising 6.2 to 6.8% by weight of aluminum.

14. (Currently amended) A nickel-based alloy according to Claim 2 20, comprising 7.2 to 7.8% by weight of cobalt.

15. (Currently amended) A nickel-based alloy according to Claim 2 20, comprising 5.8 to 6.4% by weight of chromium.

16. (Currently amended) A gas turbine comprising a component comprising a nickel-based alloy according to Claim 2 20.

17. (Previously presented) A gas turbine according to Claim 16, wherein the component is a blade in a high-speed turbine stage.

18. (Cancelled).

19. (Previously presented) A nickel-based alloy for producing components which have solidified in single crystal form, consisting essentially of:

at least 2.3% by weight rhenium;

3.0 to 3.7% by weight tungsten;

2.0 to 2.6% by weight of tantalum;

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aluminium, chromium, cobalt, hafnium, molybdenum, titanium, and nickel,

wherein a weight ratio of tungsten to rhenium is 1.1 to 1.6.

20. (Previously presented) A nickel-based alloy for producing components which have solidified in single crystal form, consisting essentially of:

2.3 to 2.6% by weight rhenium;

2.0 to 2.6% by weight of tantalum;

aluminium, chromium, cobalt, hafnium, molybdenum, titanium, tungsten, and nickel,

wherein a weight ratio of tungsten to rhenium is 1.1 to 1.6.